

Water-Data Report 2008

405537074361401 Local number 272068- MW83

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Morris County, NJ

LOCATION.--Lat 40°55'36.7", long 74°36'14.5" referenced to North American Datum of 1983, Jefferson Township, Morris County, NJ, Hydrologic Unit 02030103.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 55 ft. Upper casing diameter 2 in; top of first opening 45 ft, bottom of last opening 55 ft.

DATUM.--Land-surface datum is 700 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2003, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 6. Undeveloped Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity white light, 90+/-30	Barometric pressure, 90+/-30	Dissolved oxygen, percent of saturation	pH, water, unfiltrd field, std units	Specific conductance, 25 degC	Temperature, water, deg C	Hardness, water, mg/L as CaCO3	Calcium water, mg/L
	LSD (72019)	(00059)	Flow gal/min	Flow period prior to sampling, minutes	Baro- metric pres- sure, mm Hg	Dissolved oxygen, mg/L	pH, water, unfiltrd field, std units	Specific conductance, 25 degC	Temperature, water, deg C	Hardness, water, mg/L as CaCO3	Calcium water, mg/L
Aug 12...	1255	34.65	1.0	95	9.9	739	8.0	74	8.5	142	10.5
										66	16.5

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Magnesium, water, filtrd, mg/L (00925)	Potassium, water, filtrd, mg/L (00935)	Sodium, water, filtrd, mg/L (00930)	ANC, end pt, lab, mg/L as CaCO3 (90410)	Bicarbonate, fixed infl pt titr., field, mg/L (00453)	Chloride, infl pt titr., field, mg/L (00940)	Fluoride, water, filtrd, mg/L (00950)	Silica, water, filtrd, mg/L as SiO2 (00955)	Sulfate, water, filtrd, mg/L (00945)	Residue water, filtrd, sum of constituents, mg/L (70301)	Residue water, evap. at 180degC, mg/L (70300)	Ammonia + org-N, water, filtrd, mg/L as N (00623)	Ammonia water, filtrd, mg/L as N (00608)
Aug 12...	6.12	.37	2.89	59	81	5.29	E.09	19.5	7.62	E100	93	<.14	<.020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Nitrate + nitrite water filtrd, mg/L as N (00631)	Nitrite water, filtrd, mg/L as N (00613)	Ortho- phosphate, water, filtrd, mg/L as P (00671)	Organic carbon, water, filtrd, mg/L (00681)	Alum- inum, water, filtrd, μg/L (01106)	Anti- mony, water, filtrd, μg/L (01095)	Arsenic water, filtrd, μg/L (01000)	Barium, water, filtrd, μg/L (01005)	Beryll- ium, water, filtrd, μg/L (01010)	Boron, water, filtrd, μg/L (01020)	Cadmium water, filtrd, μg/L (01025)	Chrom- ium, water, filtrd, μg/L (01030)	Copper, water, filtrd, μg/L (01040)
Aug 12...	.33	<.002	.041	E.2	3.1	<.14	3.4	3	<.01	E5	<.04	1.0	<1.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Iron, water, filtrd, μg/L (01046)	Lead, water, filtrd, μg/L (01049)	Mangan- ese, water, filtrd, μg/L (01056)	Mercury, water, filtrd, μg/L (71890)	Nickel, water, filtrd, μg/L (01065)	Selen- ium, water, filtrd, μg/L (01145)	Silver, water, filtrd, μg/L (01075)	Thall- ium, water, filtrd, μg/L (01057)	Zinc, water, filtrd, μg/L (01090)	1-Naph- thol, water, filtrd, 0.7u GF (49295)	2,6-Di- ethyl- aniline, water, filtrd, 0.7u GF (82660)	2-Chloro- -2'-6'- diethyl acet- anilide, water, filtrd, μg/L (61618)	CIAT, water, filtrd, μg/L (04040)
Aug 12...	10	<.08	57.4	<.010	<.20	.08	<.1	<.04	<1.8	<.04	<.006	<.010	<.014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	2-Ethyl -6- methyl- aniline water, filtrd, μg/L (61620)	3,4-Di- chloro- aniline water, filtrd, μg/L (61625)	3,5-Di- chloro- aniline water, filtrd, μg/L (61627)	4- Chloro- phenol, water, filtrd, μg/L (61633)	Aceto- chlor, water, filtrd, μg/L (49260)	Ala- chlor, water, filtrd, μg/L (46342)	alpha- sulfan, water, filtrd, μg/L (34362)	Atra- zine, water, filtrd, μg/L (39632)	Azin- phos- methyl, water, filtrd, 0.7u GF (61635)	Azin- phos- methyl, water, filtrd, 0.7u GF (82686)	Ben- flur- alin, water, filtrd, μg/L (82673)	Car- baryl, water, filtrd, μg/L (82680)	Carbo- furan, water, filtrd, μg/L (82674)
Aug 12...	<.010	<.006	<.008	<.005	<.006	<.006	<.006	<.007	<.04	<.120	<.010	<.060	<.020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Chlor-pyrifos oxon, water, filtrd, µg/L (61636)	Cis-Permethrin water, filtrd, µg/L (82687)	Cis-Propiconazole, water, filtrd, µg/L (79846)	Cyana-zine, water, filtrd, µg/L (04041)	Cyflu-thrin, water, filtrd, µg/L (61585)	Lambda-cyhalothrin, water, filtrd, µg/L (61595)	Cypermethrin, water, filtrd, µg/L (61586)	DCPA, water, filtrd, 0.7u GF (82682)	Desulf-inyl-fipronil, water, filtrd, µg/L (62170)	Diazinon, water, filtrd, µg/L (39572)	Dicropophos, water, filtrd, µg/L (38454)	Dieldrin, water, filtrd, µg/L (39381)	
Aug 12...	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08	<.009

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Dimethoate, water, filtrd, 0.7u GF (82662)	Disulfoton, sulfone water, filtrd, µg/L (61640)	Disulfoton, water, filtrd, 0.7u GF (82677)	Endosulfan sulfate water, filtrd, µg/L (61590)	EPTC, water, filtrd, 0.7u GF (82668)	Ethion monoxon water, filtrd, µg/L (61644)	Ethion, water, filtrd, µg/L (82346)	Ethoprop, water, filtrd, 0.7u GF (82672)	Fenamiphos sulfone water, filtrd, µg/L (61645)	Fenamiphos sulfide oxide, water, filtrd, µg/L (61646)	Fenamiphos amide, water, filtrd, µg/L (61591)	Desulf-inyl-fipronil, water, filtrd, µg/L (62169)	Fipronil sulfide water, filtrd, µg/L (62167)
Aug 12...	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029	<.013

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 13

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Date	Fipronil sulfone water, filtrd, µg/L (62168)	Fipronil, water, filtrd, µg/L (62166)	Fonofos water, filtrd, µg/L (04095)	Hexazinone, water, filtrd, µg/L (04025)	Iprodione, water, filtrd, µg/L (61593)	Isofenphos, water, filtrd, µg/L (61594)	Mala-oxon, water, filtrd, µg/L (61652)	Mala-thion, water, filtrd, µg/L (39532)	Metalexyl, water, filtrd, µg/L (61596)	Methidathion, water, filtrd, µg/L (61598)	Methylpara-oxon, water, filtrd, 0.7u GF (61664)	Methylparathion, water, filtrd, µg/L (82667)	Metylchlor, water, filtrd, µg/L (39415)
Aug 12...	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 13

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Date	Metri-buzin, water, filtrd, 0.7u GF (82630)	Moli-nate, water, filtrd, 0.7u GF (82671)	Myclo-butani water, filtrd, (61599)	Oxy-fluor-fen, water, filtrd, 0.7u GF (61600)	Pendi-meth-alin, water, oxon, water, filtrd, 0.7u GF (82683)	Phorate water, filtrd, 0.7u GF (61666)	Phorate water, filtrd, 0.7u GF (82664)	Phosmet water, filtrd, 0.7u GF (61668)	Phosmet water, filtrd, 0.7u GF (61601)	Prome-ton, water, filtrd, 0.7u GF (04037)	Prome-tryn, water, filtrd, 0.7u GF (04036)	Propy-zamide, water, filtrd, 0.7u GF (82676)	Pro-panal, water, filtrd, 0.7u GF (82679)
Aug 12...	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	<.01	<.006	<.004	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Propar-gite, water, filtrd, 0.7u GF (82685)	Sima-zine, water, filtrd, (04035)	Tebu-thiuron water, filtrd, 0.7u GF (82670)	Teflu-thrin, water, filtrd, 0.7u GF (61606)	Terbu-bufos oxon sulfone water, filtrd, 0.7u GF (61674)	Terbu-fos, water, filtrd, 0.7u GF (82675)	Ter-buthyl- azine, water, filtrd, 0.7u GF (04022)	Thio-bencarb water, filtrd, 0.7u GF (82681)	trans-Propi-conazole, water, filtrd, 0.7u GF (79847)	Tribu-phos, water, filtrd, 0.7u GF (61610)	Tri-flur-alin, water, filtrd, 0.7u GF (82661)	1,1,1-chloro- ethane, water, unfltrd, CFC-113 (34506)	
Aug 12...	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	1,1-Di-chloro- ethane, water, unfltrd (34496)	1,1-Di-chloro- ethene, water, unfltrd (34501)	1,2-Di-chloro- benzene (34536)	1,2-Di-chloro- ethane, water, unfltrd (32103)	1,2-Di-chloro- propane (34541)	1,3-Di-chloro- benzene (34566)	1,4-Di-chloro- benzene (34571)	Benzene (34030)	Bromo-di-chloro- methane (32101)	Tri-bromo- methane (32104)	Chloro-benzene (34301)	cis-1,2-Di-chloro- ethene, water, unfltrd (77093)	Di-chloro- methane (32105)
Aug 12...	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 13

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Date	Di-chloro-di-fluoro-methane	Di-chloro-methane water, wat unf	Di-ether, water, unfltrd	Diisopropyl ether, water, unfltrd	Ethyl-ether, water, unfltrd	Methyl-tert-pentyl ether, water, unfltrd	meta-+ para-Xylene, water, unfltrd	o-Xylene, water, unfltrd	Styrene	t-Butyl-ether, water, unfltrd	Methyl-t-butyl-ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd	Tetra-chloro-methane water, unfltrd
	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)	µg/L (32102)
Aug 12...	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2	<.1	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 13

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Date	trans-1,2-Di-chloro-ethene, water, wat unf	Tri-chloro-ethene, water, unfltrd	Tri-chloro-fluoro-methane	Tri-chloro-methane	Vinyl-chloride, water, unfltrd	Di-chloro-vos, water, fltrd,	Alpha-radioac 30 day, Th-230, pCi/L (62639)	Alpha-radioac 72 hr, wat flt, Th-230, pCi/L (62636)	Beta-radioac 30 day, wat flt, Cs-137, pCi/L (62645)	Beta-radioac 72 hr, wat flt, Cs-137, pCi/L (62642)	
	µg/L (34010)	µg/L (34546)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)	
Aug 12...	<.1	<.1	<.1	<.2	<.1	<.2	<.01	1.0	1.2	R-.3	.9